OnyakTech Charts Module

User Manual

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OnyakTech Charts DotNetNuke Module

Thank you for going to OnyakTech for your DotNetNuke modules. We love developing software but we love supporting and fine tuning the modules to fit your needs even more. So please contact us if you need any help or if you need new features added to make this module work better for you.

What is OnyakTech Charts? Charts make it easy to create cross-browser friendly charts by uploading existing chart definitions for instant charts or create your own with drill downs, unlimited series, over 35 chart types, connect to any data source, spike removal, dynamically generated via query strings, sessions and more!

Sample charts are available for download from www.OnyakTech.com to help you get going quickly.

How to Get Support

All OnyakTech modules for DotNetNuke are constantly being revised to include additional minor changes as requested by our customers. Therefore; this information may be outdated by the time you read it. Please make sure you check for new releases by logging into www.OnyakTech.com and checking the My Downloads page in the Members tab. In the Members area, you will find information on every release as well as discussions on them in the Members Forums.

- Web Based: Go to www.OnyakTech.com, log-in and click on the Support page to submit requests. You can also submit support requests from the “My OnyakTech” page in the Members tab on www.OnyakTech.com
- Email: Email Support@OnyakTech.com. Your email will automatically get posted to the Support page on www.OnyakTech.com.

Members Area (Obtain updates, Support and more) If you have not done so already, contact Support@OnyakTech.com to request Members Area access. If you purchase from OnyakTech.com directly, then you are given access immediately after purchase. The Members Area includes product downloads (with email notification on new minor releases), Members Forum and an area to request new features.

Steps to Install: Note this process may differ depending on the version of DotNetNuke you are using. Please read the documentation for your DotNetNuke version for accurate instructions.

1. Log in to your portal as Host
2. Select “Module Definitions” from the Host menu
3. At the top of the module under the text “Module Definitions” is a down arrow. Click on the arrow to pull up the module menu and click on “Upload New Module”
4. Click “Browse” and find the module install zip file.
5. After you have selected all of the modules you want to upload, click on “Upload New File”
6. Update your web.config (see details below) to enable the charts.

Update Your Web.Config

The first time you drop the Charts module onto a page you will see details about a web.config change that may be required in order for you to see the charts. This information is also displayed below.

If you have any problems updating your web.config then please contact Support@OnyakTech.com and we’ll help you make this change quickly. It’s a simple process but if you have not done this before it can be frustrating. Don’t get frustrated, let us do it for you. We have considered automatically making this change for you but this has resulted in some broken sites; so it’s much better to do this manually.

Open your web.config with Notepad or some other text edit and make the changes noted on the next page. Each “….” Indicates other content in your web.config. To easily find these locations, try searching for specific key words in the content below. For example, your first search would be “appSetting”.

… See next page for the web.config changes…

Requred Web.Config Changes

```
<SYSTEM.WEB>
...
 <appSettings>
   <add key="ChartImageHandler" value="storage=file;timeout=20;" />
 </appSettings>
...
<PAGES>
        <CONTROLS>
                <add tagPrefix="asp" namespace="System.Web.UI.DataVisualization.Charting"
assembly="System.Web.DataVisualization, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"/>
        </CONTROLS>
</PAGES>
...
<HTTPHANDLERS>
        <add path="ChartImg.axd" verb="GET,HEAD,POST"
type="System.Web.UI.DataVisualization.Charting.ChartHttpHandler, System.Web.DataVisualization, Version=3.5.0.0,
Culture=neutral, PublicKeyToken=31bf3856ad364e35" validate="false"/>
</HTTPHANDLERS>
...
</SYSTEM.WEB>
<SYSTEM.WEBSERVER>
        <HANDLERS>
                <add name="ChartImageHandler" preCondition="integratedMode" verb="GET,HEAD,POST"
path="ChartImg.axd" type="System.Web.UI.DataVisualization.Charting.ChartHttpHandler, System.Web.DataVisualization,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"/>
        </HANDLERS>
</SYSTEM.WEBSERVER>
```

Using the Charts Module

After you make the required changes to your web.config you can start using your Charts module. When you first look at the module with the config changes it will show you a default chart showing the total users per portal in your current system.

To work with your charts click on “Manage Charts”. This will open the Chart Editor where you can upload charts, edit existing charts and create your own charts.

To edit an existing chart, select the chart from the “Select Existing Chart to Edit” drop down. This will automatically load the selected chart in the Editor. You can then make changes and then save.

To create a new chart, simply enter a Chart Name, Connection String, SQL Statement to load the chart, Chart Size, Spike Removal, Display Options and then click “Add/Update Chart”.

Dynamic SQL Statements

Below is a list of tokens you can use in the SQL Statement.

[USR-USERID]: User ID of the current user

[USR-LASTNAME]: Last name of the current user

[USR-USERNAME]: User name of the current user

[USR-DISPLAYNAME]: Full display name of the current user

[USR-FIRSTNAME]: First name of the current user

[USR-AFFILIATEID]: Affiliate ID of the current user

[CPT-ADMID]: Administrator ID of the current portal

[CPT-HOMETABID]: Home Tab ID of the current portal

Custom Tokens via Query String or Session Values

For Session values, use the syntax [SSN-YOURSESSIONVARIABLEHERE]. For example, if a module creates a session variable called UserID then you can use the following SQL: SELECT * FROM dbo.Users Where (UserID= '[SSN-UserID]')

For querystring parameters, then you would use the following... SELECT * FROM dbo.Users Where (UserID= '[QRY-UserID]'). In the following example, UserID would be a QueryString parameter. These are case sensitive. Example: http://www.yoursite.com/default.aspx?UserID=xxx

Sample Connection Strings

If you are not a master of all known connection strings then you can use the list below to help you setup a connection to an external database for your chart.

Oracle: "Provider=MSDAORA; Data Source=ORACLE8i7;Persist Security Info=False;Integrated Security=yes"

Microsoft Access: "Provider=Microsoft.Jet.OLEDB.4.0; Data Source=c:\bin\LocalAccess40.mdb"

SQL Server (Integrated Security): "Provider=SQLOLEDB;Data Source=MySQLServer;Integrated Security=SSPI"

SQL Server: "Provider=SQLOLEDB;Data Source=myServerAddress;Initial Catalog=myDataBase;User Id=myUsername;Password=myPassword"

MySQL: "Provider=MySQLProv;Server=myServerAddress;Database=myDataBase;Uid=myUsername;Pwd=myPassword;"

IBM AS/400:
"Provider=SNAOLEDB;DataSource=myServerAddress;UserID=myUsername;Password=myPassword;
DataCompression=True;"

Changing Chart Types

The OnyakTech Charts Module lets you set a Chart Type for each series. This makes it possible to display multiple chart types in a single chart display. To change the chart, first select the Chart you're working with from "Select Existing Chart to Edit", then select the Series (from the Chart Series list that is visible when you are working with a chart) and then change the selected Chart Series drop down. Once you are happy with your chart type selected click "Add/Update Selected Series".

Upload Existing Chart

To upload a chart file you have downloaded from OnyakTech.com or from your own local storage (or cloud) click "Choose File" displayed at the bottom of the Chart Editor, browse and locate your chart file and then click "Upload".

Once the chart is imported you will see it in your Existing Charts list at the top of the Editor.

Spike Removal

The OnyakTech Charts module includes a "Spike Removal" feature that will remove all spikes in your data based on the Range and Tolerance you set. A good default for this is 70% for both Range and Tolerance but you should change this to fit your needs for the data you're displaying.

Chart Properties

Chart Properties are an undocumented feature (well the details are) used by OnyakTech to help fine-tune charts for our customers (like you). This is not something we can provide full details on in this user manual but in the future we will simplify this feature and provide full documentation.

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